

PATENT SPECIFICATION

799,947



Date of Application and filing Complete Specification: May 28, 1957.

No. 16925/57

Application made in Germany on May 28, 1956.

Complete Specification Published: Aug. 13, 1958.

Index at Acceptance:—Classes 61, S6E, and 132(2), E8.

International Classification:—A63b.

COMPLETE SPECIFICATION

Improvements in or relating to Badminton Rackets.

I, ERNA KIND, trading as Meto-Gesellschaft Kind & Söhne, of 31 Brentano-Strasse, Hirschhorn on Neckar (Western Germany), a German subject, do hereby declare the invention, for which I pray that a patent may be granted to me and the method by which it is to be performed, to be particularly described in and by the following statement:—

10 This invention relates to badminton rackets and is concerned with a shuttlecock pick-up device for use on a badminton racket.

The game of badminton provides a form of light physical exercise which is healthy and generally not over-tiring even for elderly persons.

The known badminton rackets used for this game are similar to tennis rackets in shape and construction, but are very much lighter and weaker in view of the lesser degree of stress to which they are subjected. The badminton shuttlecocks used in this game comprise light, hemispherical heads of resilient material having flights consisting of conical feathered extensions. By reason of their shape and construction, the shuttlecocks do not bounce so that when they have fallen to the ground they have to be lifted up by hand and returned into play.

30 The frequent bending which is necessary for this purpose is extremely tiring for the players and detracts from the advantages otherwise provided by the game of badminton.

35 According to the invention there is provided a shuttlecock pick-up device for use on the head of a badminton racket, comprising two spaced resilient prong-like arms, the arrangement being such that said arms extend outwardly of said device when the latter is mounted upon the racket head and a shuttlecock lying on the badminton court can be picked up by causing the shuttlecock head to be sufficiently firmly wedged between said resilient arms for the shuttlecock to be lifted

on the head of the racket, said arms allowing the manual removal of the shuttlecock from said device.

The arms may be formed in one piece with a channel-like base from which they extend, and the device desirably consists of a synthetic plastic material. Each arm is expediently V-shaped with arcuate portions whose spaced ends are positioned on the channel-like base. The base is advantageously fitted onto the frame of the racket head in the manner of a clamp, but it may also be rigidly arranged on the frame.

With this device secured on the racket, the shuttlecock can be lifted without undue exertion and returned into play, the pick-up fork constituted by the two arms embracing the ball at the narrowest gap between the arms and holding it securely whilst it is being lifted.

For a better understanding of the invention reference will now be made to the accompanying drawing in which:—

Figure 1 is a diagrammatic side-elevation of part of the frame of a badminton racket head carrying one constructional form of a shuttlecock pick-up device, and

Figure 2 is a diagrammatic end view partly in section taken through the middle of the pick-up device of Figure 1.

The pick-up device comprises a channel-like base 4 clamped to the frame 2 of the racket head, the base embracing the frame 2 with claws 5. The base 4 carries two fork-like arms 6, 7, which are substantially V-shaped, the bent elbows constituting the free ends of the arcuate arms 6, 7. The distance between the arms 6, 7 is chosen so that a shuttlecock 3 can be sufficiently firmly clamped between them to be lifted on the badminton racket head. The shuttlecock can then be manually removed from between the fork-like arms 6, 7.

WHAT I CLAIM IS:—

1. A shuttlecock pick-up device for use

- on the head of a badminton racket, comprising two spaced resilient prong-like arms, the arrangement being such that said arms extend outwardly of said device when the latter is mounted upon the racket head and a shuttlecock lying on the badminton court can be picked up by causing the shuttlecock head to be sufficiently firmly wedged between said resilient arms for the shuttlecock to be lifted on the head of the racket, said arms allowing the manual removal of the shuttlecock from said device.
2. A device as claimed in Claim 1, wherein said arms extend from a channel-like base which is arranged to slide upon the frame of the racket head, a plurality of claws being struck out of said base for gripping said frame and retaining the device at any desired position on the racket head.
3. A racket as claimed in Claim 2, wherein each arm is bent in such manner that the elbow of each arm constitutes its free end, the two parts of each arm being arcuate and the arrangement being such that the shuttlecock is held in the use of the device between the regions of maximum convexity of the inner parts of said arms and the portion of said base between said spaced arms.
4. A device as claimed in any of the preceding Claims, wherein at least said arms consist of a synthetic plastic material.
5. A shuttlecock pick-up device for use on a badminton racket, substantially as hereinbefore described with reference to the accompanying drawing.

HASELTINE, LAKE & CO.,
28, Southampton Buildings,
London, W.C.2.
Agents for the Applicant.

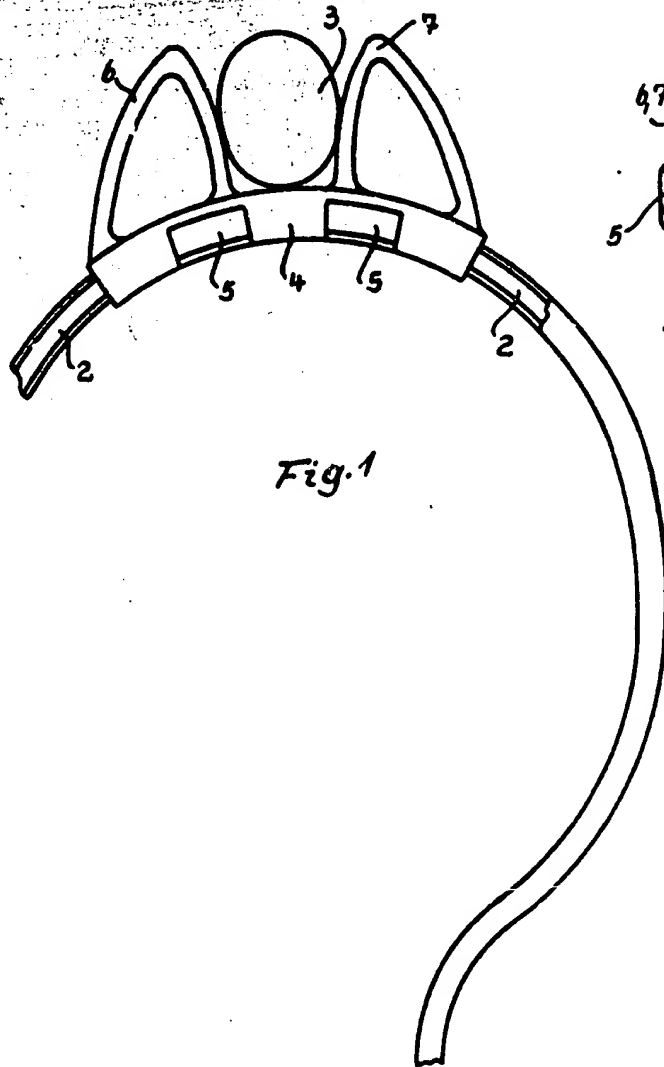
Hastings: Printed for Her Majesty's Stationery Office, by F. J. Parsons, Ltd., 1958.
Published at The Patent Office, 25, Southampton Buildings, London, W.C.2, from which
copies may be obtained.

Best Available Copy

799,947 COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of the Original on a reduced scale.



Best Available Copy